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"contact lens" and (nanoparticle or nanosphere)

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- ☐ 1. [COMPOSITION AND METHOD FOR MODIFYING CONTACT LENS SHAPE](#)  
**HORN, Gerald**, *PATENT COOPERATION TREATY APPLICATION*, May 2006  
patno:WO06055707  
...another aspect, the **contact lens** additive is polymer gel **nanoparticle** and the polymer...the polymer gel **nanoparticles** are interspersed...change within the **contact lens**. According to another...another aspect, the **contact lens** contains an additive...  
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- ☐ 2. [COMPOSITIONS FOR ADMINISTERING RNAIII-INHIBITING PEPTIDES](#)  
**BALABAN, Naomi / BRAUNSTEIN, Joel**, *PATENT COOPERATION TREATY APPLICATION*, Nov 2006  
patno:WO06122127  
...a mucosal surface with or without a **nanoparticle** carrier system. RNAIII-inhibiting peptides...drug carriers, such as liposomes and **nanoparticles**, have been used to improve the therapeutic...implanted depots comprising RIP. A **nanoparticle** carrier system provides an advantageous...  
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- ☐ 3. [Author and Keyword Index](#)  
*Biomaterials*, 27 (36), p.6161-6185, Dec 2006  
Biomaterials 27 (2006) 6161-6185 Author Index Abdekhodaie, M.J. 3652 Abdel-Fattah, W.I. 4894 Abke, J. 4059 Abron, A. 932 Acar, M.H. 862 Acil, Y. 1081, 3163 Ada, E.T. 2201 Adachi, T. 3964 Adamopoulos, I.E. 4557 Adams, E.F. 1019 Advincula, M.C. 2201 Advincula, R.C. 2201 Afergan, E.  
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- ☐ 4. [Optical properties of chitin: surface-enhanced Raman scattering substrates based on antireflection structures on cicada wings](#)  
**P R Stoddart / P J Cadusch / T M Boyce / R M Erasmus / J D Comins**, *Nanotechnology*, 17 (3), p.680-686, Feb 2006  
doi:10.1088/0957-4484/17/3/011  
...silver or gold surfaces, where the critical structural dimension is obtained through metal colloids, metal-coated **nanoparticles**, mechanically roughened surfaces or metal

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island films [22]. However, the most sensitive and reproducible SERS activity...substrates have been fabricated by depositing a metal coating over a template consisting of self-assembled polymer **nanospheres**. Isolated triangular particles are formed through the interstices between the spheres [15]. Regular arrays of sub-micron...

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☐ **5. The use of mucoadhesive polymers in ocular drug delivery**

**Ludwig, A. , *Advanced Drug Delivery Reviews*, 57 (11), p.1595-1639, Nov 2005**

...polyesters, poly(ethylene oxide) and poloxamers. Fig. 7 Acyclovir levels in the aqueous humour after instillation of the **nanoparticle** and acyclovir-free suspension in normal rabbit eye and in N-acetylcysteine (NAC)-pretreated eye[248]. Fig. 8 Apparent...in rats) [214] Poloxamer 407 gel Oligonucleotides Mucoadhesion, absorption (in rabbits) [215-217] Microspheres and **nanospheres** PAA-cross linked with maltose gamma-scintigraphy (in rabbits), clearance [223] MMA-SPM Arecaidine propargyl ester Bioavailability...

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☐ **6. Thinking Small (January-February 2005) [21K]**

Apr 2007

Nanoscience manipulates objects and forces at a scale one-millionth the size of the period at the end of this sentence. At that size, matter behaves differently.

[<http://www.harvardmagazine.com/on-line/010544.html>]

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☐ **7. SMALL COMPOUNDS THAT CORRECT PROTEIN MISFOLDING AND USES THEREOF**

**KAUSHAL, Shalesh / NOORWEZ, Syed, Mohammed, *PATENT COOPERATION TREATY APPLICATION*, Feb 2007**

patno:WO07014327

...and the compound are each incorporated into a composition that provides for their long- term release (e.g., a microsphere, **nanosphere**, or nanoemulsion) or their long-term release is achieved using a drug delivery device. In other embodiments of the above-aspects...

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☐ **8. NANOPARTICLE FABRICATION METHODS, SYSTEMS, AND MATERIALS**

**DESIMONE, Joseph M. / ROLLAND, Jason P. / EXNER, Ansley E. / SAMULSKI, Edward T. / SAMULSKI, R., Jude / MAYNOR, Benjamin W. / EULISS, Larken E. / (...) / MURPHY, Andrew, James, *PATENT COOPERATION TREATY APPLICATION*, Mar 2007**

patno:WO07024323

**NANOPARTICLE FABRICATION METHODS, SYSTEMS, AND MATERIALS CROSS REFERENCE TO RELATED APPLICATIONS** This application is based on and claims priority...

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☐ **9. MATERIALS AND METHODS FOR ENHANCED DEGRADATION OF MUTANT PROTEINS ASSOCIATED WITH HUMAN DISEASE**

**KAUSHAL, Shalesh / MALHOTRA, Ritu / DUNN, William A., *PATENT COOPERATION TREATY APPLICATION*, Nov 2006**



patno:WO06116716




...and the compound are each incorporated into a composition that provides for their long-term release (e.g., a microsphere, **nanosphere**, or nanoemulsion). In yet another embodiment, the long-term release is via a drug delivery device. In yet another embodiment...

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- ☐ **10. Institute of NanoScience and Engineering [22K]**  
Mar 2007  
...Colleagues Create Self-Assembling **Nanoparticle**/Polymer Mixtures Biochemical Sensing...is lead author on an article titled "**Nanoparticle** Polymer Composites: Where Two Small...the latest research in incorporating **nanoparticles** with flexible, easy-to-mold plastics...  
[<http://www.nano.pitt.edu/event.html>]  
similar results
  
- ☐ **11. Royal Dublin Society [PDF-267K]**  
Mar 2005  
4-6 April 2005 Royal Dublin Society Dublin, Ireland Technical Programme/Abstracts 4-6  
April 2005 Royal Dublin Society Dublin, Ireland Welcome to Opto-Ireland! When I arrived in Ireland in the early 1970's I already knew something of the RDS and its great scientific heritage.  
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- ☐ **12. METHOD FOR MAKING MEDICAL DEVICES HAVING ANTIMICROBIAL COATINGS THEREON**  
  
**RUBNER, Michael F. / YANG, Sung, Yun / QIU, Yongxing / WINTERTON, Lynn, Cook / LALLY, John, Martin, EUROPEAN PATENT, Sep 2005**  
patno:EP1575632  
...polymeric composition for molding a **contact lens**. For example, Chalkley et al. in Am...117 which discloses contact lenses and **contact lens** cases made from materials which comprise...example, the oxygen permeability of a **contact lens**). Currently, a wide variety of antimicrobial...  
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- ☐ **13. RAAV VECTOR COMPOSITIONS AND METHODS FOR THE TREATMENT OF CHOROIDAL NEOVASCULARIZATION**  
**HAUSWIRTH, William W. / CAMPOCHIARO, Peter A. / BERNIS, Kenneth I., PATENT COOPERATION TREATY APPLICATION, Oct 2003**  
patno:WO03080648  
...hereinbelow, and may further comprise one or more liposomes, lipids, lipid complexes, microspheres, microparticles, **nanospheres**, or **nanoparticle** formulations to facilitate administration to the selected organs, tissues, and cells for which therapy is desired...  
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- ☐ **14. Engineering nanomaterials with enhanced functionality**  
**Li, Shanghua , Jan 2006**  
...surfaces with dendritic network of copper **nanoparticles** have been obtained by electrodeposition...micro-porous surface layer - made of copper **nanoparticles** - on the surface of copper plates...formed from dendritic network of copper **nanoparticles** obtained by electrodeposition from...  
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- ☐ **15. Engineering nanomaterials with enhanced functionality**  
**Li, Shanghua , Sep 2006**  
...micro-porous surface layer - made of copper **nanoparticles** - on the surface of copper plates...formed from dendritic network of copper **nanoparticles** obtained by electrodeposition from...materials made of nanosized grains or **nanoparticles** as building blocks, have a significant...  
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- ☐ **16. No Title** [11K]  
Jan 2007  
...2000, 113(13), 5432-5438. Images of **Nanoparticle** Arrays formed by Electron Beam Lithography AFM and SEM of Pt **nanoparticle** array. Particles are 40nm in diameter...deposition: 15 nm by e- beam evaporation **Nanosphere** Lithography Hulteen, J.C. Van Duyne...mica with a mask of 264nm diameter **nanoparticles**. Mask preparation: Spin coat 267...  
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- ☐ **17. Volume contents and Author index**  
*Toxicology in Vitro*, 20 (8), p.I-XVII, Dec 2006  
Toxicology in Vitro An international journal published in association with TNO BIBRA International Ltd Volume 20 2006 Volume Contents and Author Index doi:10.  
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- ☐ **18. Engineering the electrochromism and ion conduction of layer-by-layer assembled films**  
**DeLongchamp, Dean M. (Dean Michael), 1975-**, Mar 2006  
Thesis (Ph. D.)--Massachusetts Institute of Technology, Dept. of Chemical Engineering, 2003. Includes bibliographical references. This work applies the processing technique of layer-by-layer (LBL) assembly to the creation and development of new ...  
**Full text available from MIT (Massachusetts Institute of Technology)**  
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- ☐ **19. Dielectric analyses of a series of poly(2-hydroxyethyl methacrylate-co-2,3-dihydroxypropyl methacrylate) copolymers**  
**Mohomed, K. / Moussy, F. / Harmon, J.P.**, *Polymer*, 47 (11), p.3856-3865, May 2006  
...to further investigate the effects of a novel hydroxylated **nanoparticle** on the polymer matrix[9,10]. The electric modulus formalism...where dissolution of the hydrogels needs to be avoided, as in **contact lens**. Eq.(4)was used to calculate the theoretical glass transition...  
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- ☐ **20. Tables of contents**  
*Polymer Contents*, 23 (6), p.412-463, Jun 2006  
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